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NOTICE OF ALLOWANCE AND FEE(S) DUE

67801

7590

06/08/2009

MARTIN D. MOYNIHAN d/b/a PRTSI, INC. P.O. BOX 16446 ARLINGTON, VA 22215 EXAMINER

BOR, HELENE CATHERINE

ART UNIT PAPER NUMBER

3768 DATE MAILED: 06/08/2009

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/542.386	11/30/2005	Roni Zvuloni	30241	5525	

TITLE OF INVENTION: DEVICE, SYSTEM, AND METHOD FOR DETECTING AND LOCALIZING OBSTRUCTION WITHIN A BLOOD VESSEL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	09/08/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

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								(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/542,386	11/30/2005		Roni Zvuloni				30241	5525
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nonprovisional	YES	\$755	\$300		\$0		\$1055	09/08/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS	3				
BOR, HELENE	CATHERINE	3768	600-587000					
Change of corresponde CFR 1.363). Change of corresp Address form PTO/SH "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	(1) the names of u or agents OR, alter (2) the name of a s registered attorney	of a single firm (having as a member a rney or agent) and the names of up to atent attorneys or agents. If no name is						
PLEASE NOTE: Unl recordation as set forti (A) NAME OF ASSIG	ess an assignee is ident h in 37 CFR 3.11. Com GNEE	A TO BE PRINTED ON The ified below, no assignee oletion of this form is NO to the categories (will not be presented).	data will appear on t T a substitute for filin (B) RESIDENCE: (C	he pa g an a CITY	ntent. If an assigne assignment. and STATE OR C	OUNT	'RY)	cument has been filed for
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☐ Issue Fee			A check is enclos	sed.		_		nown above)
	To small entity discount p		Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any					icionay or aradit any
Advance Order - 7	f of Copies		overpayment, to I	Depos	sit Account Numbe	r	enclose an	extra copy of this form).
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NOTE: The Issue Fee and	d Publication Fee (if req		d from anyone other th		-			e assignee or other party in
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in application. Confident submitting the completed his form and/or suggesti	tiality is governed by 35 I application form to the ons for reducing this bu irginia 22313-1450. DO	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th	1.14. This collection in depending upon the interest of Chief Information Courts on Co	is esti indivi Office:	imated to take 12 n idual case. Any co r. U.S. Patent and '	ninutes mment Traden	s to complete, including s on the amount of time park Office, U.S. Depar	by the USPTO to process) g gathering, preparing, and the you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/542,386	11/30/2005	Roni Zvuloni	30241	5525	
67801 75	590 06/08/2009		EXAM	INER	
MARTIN D. MC	YNIHAN d/b/a PRT	BOR, HELENE	CATHERINE		
P.O. BOX 16446		ART UNIT	PAPER NUMBER		
ARLINGTON, VA	x 22215		3768		
		DATE MAILED: 06/08/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/542,386	ZVULONI, RONI	
Notice of Allowability	Examiner	Art Unit	
	HELENE BOR	3768	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313 1. ☑ This communication is responsive to amendment filed 02/2	(OR REMAINS) CLOSED or other appropriate comn IGHTS. This application is and MPEP 1308.	in this application. If not included nunication will be mailed in due course.	
	. 		
2. ☑ The allowed claim(s) is/are <u>1-4,7-33 and 35-41</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do 	been received. been received in Applicat	ion No	n the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requireme	nts
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Revie	ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			f
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			
Attachment(s)	5 		
1. Notice of References Cited (PTO-892)		nformal Patent Application	
 Notice of Draftperson's Patent Drawing Review (PTO-948) M Information Disclosure Statements (PTO/SB/08), 	Paper No	Summary (PTO-413), ./Mail Date s Amendment/Comment	
Paper No./Mail Date <u>04/13/2006</u>			
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8.	s Statement of Reasons for Allowance	
		_	

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Martin Moynihan on 05/14/2009.

Claim 6 has been cancelled.

Claim 13 and 19 has been amended as follows:

- 13. A method for detecting obstruction in a blood vessel, comprising:
- a. introducing into said blood vessel a balloon catheter having an expandable balloon which comprising a plurality of strain gauges mounted on a circumference of said balloon at a common longitudinal distance along said balloon arranged around said balloon at different circumferential positions and operable to measure and report degrees of expansion of local portions of a wall of said balloon, said local portions being positioned at different circumferential positions of said balloon;
 - b. expanding said balloon within said blood vessel;
 - c. comparing expansions reported by said plurality of strain gauges; and
- d. reporting obstruction of said blood vessel if at least one strain gauge of said plurality of strain gauges report less expansion than another strain gauge of said plurality of strain gauges.
- 19. A system for detecting and localizing obstructing material in a blood vessel, comprising:

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a. an expandable balloon catheter having an expandable balloon which comprises a plurality of strain gauges operable to measure and report local expansion of portions of said expandable balloon, said plurality of strain gauges being mounted on a circumference of said balloon at a common longitudinal distance along said balloon arranged around said balloon at different circumferential positions around a common circumference of said balloon; and

b. a data analysis module which compares data received from said plurality of strain gauges and reports obstruction of said blood vessel if at least one strain gauge of said plurality of strain gauges reports less expansion than another strain gauge of said plurality of strain gauges.[.]

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HELENE BOR whose telephone number is (571)272-2947. The examiner can normally be reached on M-T 8:30am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long V. Le can be reached on (571)272-0823. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/H. B./ Examiner, Art Unit 3768 /Eric F Winakur/ Primary Examiner, Art Unit 3768